



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE


CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010616
CERTIFICATION DATE: August 23, 2013
DATE RECERTIFICATION DUE: February 19, 2014

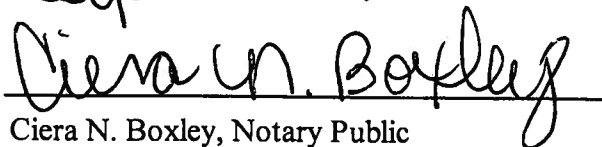
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

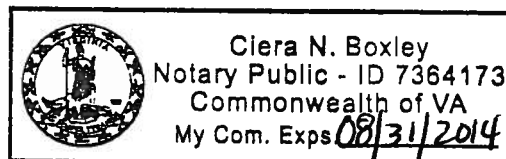
Section Supervisor, Breath Alcohol

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 3rd day of
September, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014





DBH
NDB

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 8/27/2013

Instrument Serial Number: 010616

As of 27-Aug-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
23-Aug-13	23-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
08-Mar-13	08-Mar-13	MMB (26417)	CERTIFIED.
11-Sep-12	11-Sep-12	DBH (21250)	MOVED INSTRUMENT TO NEW LOCATION, CERTIFIED, REPLACED DRY GAS STANDARD.
30-Jul-12	10-Apr-12	DBH (21250)	REPLACED UPS.
10-Apr-12	10-Apr-12	HMS (18910)	CERTIFIED
03-Nov-11	03-Nov-11	TLN (25387)	CERTIFIED
23-May-11	23-May-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
07-Dec-10	07-Dec-10	DBH (21250)	CERTIFIED
29-Jun-10	29-Jun-10	RJP (22428)	CERTIFIED
04-Jun-10	07-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD
07-Jan-10	07-Jan-10	DBH (21250)	REPLACED GAS STANDARD O-RING, CERTIFIED
29-Jul-09	29-Jul-09	DBH (21250)	CERTIFIED.
15-Apr-09	15-Apr-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
06-Jan-09	06-Jan-09	DBH (21250)	CERTIFIED.
01-Dec-08	01-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
msh

INTOX EC/IR II **Quality Assurance Worksheet**

Instrument Serial Number 010616 Worksheet Start Date 8/23/2013

Location King George CO SO

Address 10445 GOVERNMENT CENTER BLVD KING GEORGE VA 22485
DBH 8/27/13

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	50
Keyboard		Certificates of Analysis	
Printer		Operator Worksheet	50
UPS		Other:	

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010616

Certification Date 8/23/2013

Instrument Barometer (mm HG) 757

Reference Barometer (mm HG) 759

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.247
0.250	0.249	0.241	0.256	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.245
0.002		0.245	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.149	0.144	0.153	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.148
0.001		0.148	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.080	0.077	0.083	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG227501-23

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Donald B Hall

Date

8/27/13

Issuing Analyst

Mehmet Kennedy

Date

8/27/13

Intox EC/IR II QA Worksheet
 Issued by Calibration and Training Program Manager
 Issue Date: 4-March-2013

DFS Document 250-F113
 Revision 6
 Page 2 of 2

DBH
ASK



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 08/23/2013
TEST EQUIPMENT NUMBER 010616		

RESULTS: TIME SAMPLE TAKEN 11:44 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 23 Aug 2013 at 16:12

DBH
PWSK

Test Results

Instrument Serial Number 010616

Test # 000533

Subject Test

Test Location 1 Department of

Test Date 23 Aug 2013

Test Location 2 Forensic Science

Test Time 11:38

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

End Date 23 Aug 2013

End Time 11:45

Data Type DIAG

Data Type BLK

Data Type CHK

Data Type BLK

Data Type SUBJ

Data Type BLK

Data Type SUBJ

Data Type BLK

Standard Type Dry Gas Std

Standard Lot Number AG201104-06

Tank Pressure 237

Blow Sample Number 1

Blow Duration 3.63 sec

Blow Sample Number 2

Blow Duration 3.86 sec

Tamper Evident Stamp db8b5881

Test Status Success

Operator's First Name DONALD

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Operator's Middle Initial B

License Number 21250

Expiration Date 10/01/2014

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

Result Date 23 Aug 2013

Result 0.00

Result Time 11:44

Sample Value Pass

Sample Value 0.000

Sample Value 0.100

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Standard Value 0.100

Standard Expiration Date 01/11/2014

Barometric Pressure 758 mmHg

Blow Volume 1771 cc

End-of-Blow Time 11:42

Blow Volume 1827 cc

End-of-Blow Time 11:44

Test Status Code 0

DBH

WHL

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010616

System Date: 08/23/2013

System Time: 12:12 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010616 Test Number: 534

Test Date: 08/23/2013 Test Time: 12:17 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 468 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:18
CAL	0.100	12:18

Test Status: *Success*

Calibration CRC: E218AE08

DB1

12/21

DBH

WAL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010616 Test Number: 535
Test Date: 08/23/2013 Test Time: 12:22 EDT

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 409 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:23
BLK	0.000	12:24
CHK	0.247	12:24
BLK	0.000	12:26
CHK	0.246	12:26
BLK	0.000	12:28
CHK	0.245	12:29
BLK	0.000	12:30

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010616 Test Number: 536
Test Date: 08/23/2013 Test Time: 12:33 EDT

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 0651215014-07 Exp Date: 04/01/2014

Tank Pressure: 174 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:34
BLK	0.000	12:34
CHK	0.149	12:35
BLK	0.000	12:36
CHK	0.149	12:37
BLK	0.000	12:38
CHK	0.148	12:39
BLK	0.000	12:40

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

NDK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010616 Test Number: 537
Test Date: 08/23/2013 Test Time: 12:43 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 370 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:43
BLK	0.000	12:44
CHK	0.079	12:45
BLK	0.000	12:46
CHK	0.079	12:47
BLK	0.000	12:48
CHK	0.079	12:49
BLK	0.000	12:50

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010616 Test Number: 538
Test Date: 08/23/2013 Test Time: 12:52 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 257 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:52
BLK	0.000	12:53
CHK	0.019	12:54
BLK	0.000	12:55
CHK	0.019	12:56
BLK	0.000	12:57
CHK	0.019	12:58
BLK	0.000	12:59

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010616 Test Number: 539

Test Date: 08/23/2013 Test Time: 13:03 EDT

Dry Gas Target: 0.249

Lot Number: AG205404-03 Exp Date: 02/23/2014

Tank Pressure: 193 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:04
CHK	0.251	13:05
BLK	0.000	13:06
CHK	0.250	13:07
BLK	0.000	13:08
CHK	0.250	13:09

Test Status: *Success*

Calibration CRC: E218AE08

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010616 Test Number: 540

Test Date: 08/23/2013 Test Time: 13:12 EDT

Dry Gas Target: 0.100

Lot Number: AG227501-23 Exp Date: 10/01/2014

Tank Pressure: 247 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:13
CHK	0.100	13:14
BLK	0.000	13:15
CHK	0.100	13:16
BLK	0.000	13:17
CHK	0.100	13:18

Test Status: *Success*

Calibration CRC: E218AE08



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 08/23/2013
TEST EQUIPMENT NUMBER 010616		

RESULTS: TIME SAMPLE TAKEN 13:28 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 23 Aug 2013 at 16:12

DBA

NSK

Test Results

Instrument Serial Number 010616

Test # 000541

Subject Test

Test Location 1 Department of

Test Date 23 Aug 2013

Test Location 2 Forensic Science

Test Time 13:21

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 23 Aug 2013

End Time 13:29

Result Time 13:28

Result Date 23 Aug 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:22

Data Type BLK

Sample Value 0.000

Sample Time 13:22

Data Type CHK

Sample Value 0.100

Sample Time 13:23

Data Type BLK

Sample Value 0.000

Sample Time 13:25

Data Type SUBJ

Sample Value 0.000

Sample Time 13:25

Data Type BLK

Sample Value 0.000

Sample Time 13:26

Data Type SUBJ

Sample Value 0.000

Sample Time 13:28

Data Type BLK

Sample Value 0.000

Sample Time 13:29

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG227501-23

Standard Expiration Date 10/01/2014

Tank Pressure 237

Barometric Pressure 757 mmHg

Blow Sample Number 1

Blow Duration 3.66 sec

Blow Volume 1759 cc

End-of-Blow Time 13:25

Blow Sample Number 2

Blow Duration 5.89 sec

Blow Volume 2744 cc

End-of-Blow Time 13:28

Tamper Evident Stamp b8dda786

Test Status Code 0

Test Status Success